

App. No. 10/081,801
Attorney Docket No. 3501.2.1 NP

Amendments to the Claims

1. (Currently Amended) A system for providing a server consisting essentially of
comprising:

a ~~standard~~ disk drive mountable in a standard single disk drive enclosure of a
computer housing and having at least one electrical (~~power~~) connector disposed therein;
and

a CPU subsystem having a housing and at least one electrical connector disposed
therein and mated to said disk drive electrical connector, said CPU subsystem housing
conforming approximately to the height and width of said disk drive, the CPU subsystem
being mechanically coupled to the disk drive and selectably removable from the disk
drive through application of a lateral force, and wherein the CPU subsystem is not
coupled to the disk drive via a base support member, including means for mechanically
fastening said CPU subsystem housing to said disk drive

wherein the system does not include an internal power supply;

wherein, when power is supplied to said CPU subsystem, said CPU subsystem
supplies power and/or data to said disk drive through said at least one electrical
connectors without external wires or cables; and

wherein said CPU subsystem housing is sized and configured such that when said
CPU subsystem housing is secured to said disk drive, said disk drive and said CPU
subsystem housing can be secured in a standard single disk drive enclosure of a computer
housing.

2. (Canceled)

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3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Currently Amended) A method of providing network services, said method comprising the steps of:

providing a server including a standard disk drive and CPU subsystem, said CPU subsystem having a housing that conforms to an approximate height and width of said disk drive ~~and is secured thereto with a fastening means;~~

providing a first electrical connector in said disk drive housing and a second electrical connector in said CPU subsystem;

mating said first electrical connector to said second electrical connector;

mechanically coupling said CPU subsystem directly to said disk drive via a disk drive to CPU fastening mechanism, wherein the mechanically coupling does not include a base support member;

providing power and/or data from said CPU subsystem to said disk drive through said mated electrical connectors; and

installing said disk drive and CPU subsystem in a first standard single disk drive enclosure of a computer housing.

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9. (Previously Presented) A method of claim 8 and further comprising the step of connecting the disk data bus connection to at least one additional disk drive from said CPU subsystem.

10. (Canceled)

11. (Currently Amended) The A method of claim 8 further comprising providing a server farm system wherein comprising the step of containing at least two of the servers are contained of claim 8 in a the first and a second single standard disk drive enclosure of a computer housing enclosure.

12. (Currently Amended) The A method of claim 9, further comprising providing a server farm system including at least two of the servers comprising the step of containing at least two servers of claim 9 installed in a the first and a second standard disk drive enclosure of a computer housing single enclosure.

13. (Canceled)

14. (Canceled)

15. A server system comprising:

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a) a ~~standard~~ disk drive mountable in a standard single disk drive enclosure of a computer housing and including first and second electrical connectors disposed in said housing;

b) a CPU subsystem including a housing having a height and width that are approximately the same size as a height and width of said disk drive, said CPU subsystem also including third and fourth electrical connectors disposed in said CPU subsystem housing, said third connector being mated with said first connector in said disk drive housing for supplying power from said CPU subsystem to said disk drive and said fourth connector being mated with said second connector in said disk drive housing for connecting a disk drive control bus to said CPU subsystem; and

c) a fastening system mechanically coupling the CPU subsystem housing to the disk drive, wherein the fastening system is selectably removable through application of a lateral force;

~~fastening means for mechanically affixing said CPU subsystem housing to said disk drive;~~

d) whereby, said disk drive and said CPU subsystem housing can be secured in a standard single disk drive enclosure of a computer housing.

16. (Currently Amended) The A system of claim 15 and further comprising ~~a means for connecting~~ an electrical disk bus connection from said CPU subsystem connecting to at least one additional disk drive.

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17. (Currently Amended) A ~~The system of claim 16 wherein a means is provided to~~
~~arrange~~ the plurality of disk drives are arranged and operate as a RAID disk array.

18. The server system of claim 15, wherein A means for creating a server farm system
~~consisting of at least two servers are connected in a server farm system of claim 15 or of~~
~~claim 16.~~

19. (Currently Amended) The server system of claim 15, wherein A means for providing
~~redundancy where at least one redundant server of claim 15 provides redundancy for at~~
~~least one primary server.~~

20. (Currently Amended) The server system of claim 15, wherein at least two or more of
the server systems are connected via A means for providing load sharing where at least
~~two servers of claim 15 provide services.~~

21. (New) A system for providing a server comprising:

a disk drive mountable in a standard single disk drive enclosure of a computer
housing and having at least one electrical (power) connector disposed therein; and

a CPU subsystem having a housing and at least one electrical connector disposed
therein and mated to said disk drive electrical connector, said CPU subsystem housing
conforming approximately to the height and width of said disk drive, the CPU subsystem
housing being mechanically coupled to the disk drive;

wherein the system does not include an internal power supply;

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wherein, when power is supplied to said CPU subsystem, said CPU subsystem supplies power and/or data to said disk drive through said at least one electrical connectors without external wires or cables; and

wherein said CPU subsystem housing is sized and configured such that when said CPU subsystem housing is secured to said disk drive, said disk drive and said CPU subsystem housing can be secured in a standard single disk drive enclosure of a computer housing.

22. (New) The system of claim 21, wherein the CPU subsystem is selectably removable from the disk drive through application of a lateral force.

23. (New) The system of claim 21, wherein the CPU subsystem is not coupled to the disk drive via a base support member

24. (New) The system of claim 21 further comprising: an electrical disk bus connection from said CPU subsystem to at least one additional disk drive.

25. (New) The system of claim 21, wherein at least two systems are connected in a server farm system.

26. (New) The system of claim 21, wherein at least two systems are used to share a server load.

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27. (New) The method of claim 8, further comprising selectably coupling the CPU subsystem to the disk drive through application of a lateral force.

28. (New) The server system of claim 15, wherein the fastening system does not include a base support member configured to couple together and support the CPU subsystem and disk drive.

29. (New) The server system of claim 15, wherein the disk drive does not include an internal power supply.